



Installation and Assembly: Optoma Universal Projector Mount By Peerless

Model: BM-5001U

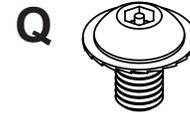
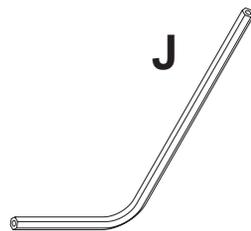
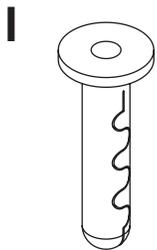
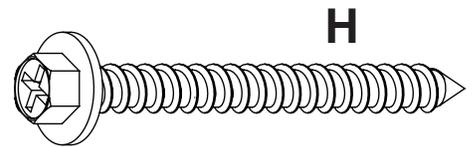
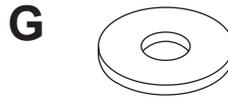
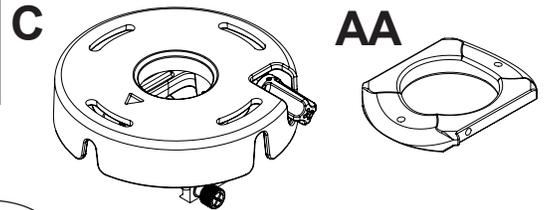
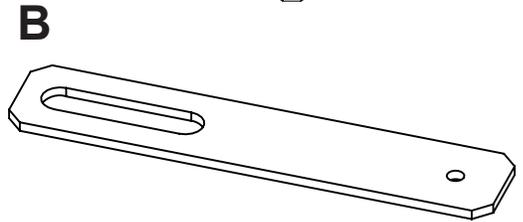
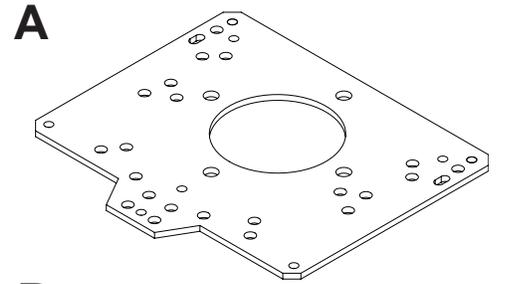
Max Load Capacity: 50 lb (22.6 kg)



This product is intended for use with UL Listed products and must be installed by a qualified professional installer.

Parts List

Description	Qty.	Part #
A main plate	1	055-1939
B extension bracket	4	055-1940
C precision gear projector mount	1	055-KPRGU-B-3
D 10-32 x 3/8" socket pin serrated washer head screw	2	520-1151
E 10-32 x 1/4" socket pin with lock patch	1	520-1196
F 4 mm security allen wrench	1	560-9646
G 6.5 ID x 17.8 OD x 1.6 mm flat washer	2	540-1078
H #14 x 2.5 hex phillips wood screw	2	5S1-015-C03
I alligator anchor	2	590-0097
J 2 mm security allen wrench	1	560-1097
K #4 flat washer	8	540-1049
L .219 ID x .5 OD x .125 spacer	6	540-1032
M .219 ID x .5 OD x .25 spacer	4	540-9413
N #8 flat washer	8	540-1001
O M3 x 12 mm socket pin serrated washer head screw	4	510-1003
P M4 x 16 mm socket pin serrated washer head screw	4	510-1087
Q M4 x 8 mm socket pin serrated washer head screw	4	510-1005
R M6 x 16 mm socket pin screw	4	520-1132
AA connection block	1	580-1065



NOTE: The following pages show the attachment points and hardware required to attach main plate to projectors.

NOTE: Before installation review the directory on page 2 to find projector configuration.

1 Locate Projector Model, Corresponding Page

Projector Model Directory															
Projector	Config.	Page	Screw	Projector	Config.	Page	Screw	Projector	Config.	Page	Screw	Projector	Config.	Page	Screw
DS611	F	7	4	EP1691	D	6	4	HD200X	A	4	3	TW775	I	8	6
DS316	A	4	3	EP7155	D	6	4	HD640	A	4	3	TW1692	D	6	4
DS317	F	7	4	ES520	F	7	4	HD700X	A	4	3	TWR1693	J	9	3
DV11	A	4	3	ES522	F	7	4	HD710	A	4	3	TX532	F	7	4
DX606V	A	4	3	ES526	A	4	3	HD803	E	6	4	TX536	A	4	3
DX607	J	9	3	ET700XE	A	4	3	HD806	E	6	4	TX542	A	4	3
DX608	B	5	3	EW536	A	4	3	HD808	I	8	6	TX612	A	4	3
DX609V	A	4	3	EW1610	A	4	3	HD930	E	6	4	TX615	A	4	3
DX612	F	7	4	EX530	F	7	4	HD980	E	6	4	TX727	A	4	3
DX617	F	7	4	EX525ST	H	8	4	HD2200	A	4	3	TX728	A	4	3
DX619	A	4	3	EX532	F	7	4	HD6800	B	5	3	TX735	F	7	4
EP620	A	4	3	EX536	A	4	3	HD7000	A	4	3	TX761	A	4	3
EP721	A	4	3	EX542	A	4	3	HD7200	E	6	4	TX763	A	4	3
EP726S	A	4	3	EX612	A	4	3	HD8000	E	6	4	TX765W	G	7	4
EP727	A	4	3	EX615	A	4	3	HD8000-LV	E	6	4	TX770	A	4	3
EP728	A	4	3	GT700	A	4	3	HD8200	I	8	6	TX771	J	9	3
EP738	A	4	3	GT720	A	4	3	HD806ISF	E	6	4	TX773	B	5	3
EP741	A	4	3	HC815	E	6	4	HD8600	I	8	6	TX774	J	9	3
EP751	C	5	3	HD20	A	4	3	HT720	A	4	3	TX775	J	9	3
EP758	C	5	3	HD22	A	4	3	HT1080	E	6	4	TX778W	G	7	4
EP759	C	5	3	HD32	A	4	3	HT1200	E	6	4	TX779	K	10	4
EP761	A	4	3	HD65	A	4	3	PRO150S	A	4	3	TX780	C	5	3
EP763	A	4	3	HD66	A	4	3	PRO350W	A	4	3	TX785	I	8	6
EP747	B	5	3	HD70	A	4	3	PRO450W	A	4	3	TX782W	G	7	4
EP770	A	4	3	HD71	A	4	3	PRO520X	A	4	3	TX1080	E	6	4
EP771	J	9	3	HD72	B	5	3	TH1060	K	10	4	TX7155	D	6	4
EP772	J	9	3	HD80	E	6	4	TS526	A	4	3	TX7156	D	6	4
EP774	J	9	3	HD80-LV	E	6	4	TS721	A	4	3	TXR774	J	9	3
EP780	C	5	3	HD82	I	8	6	TS725	F	7	4				
EP910	E	6	4	HD86	I	8	6	TW536	A	4	3				
EP1690	B	5	3	HD180	A	4	3	TW766W	G	7	4				

Installation To Wood Joist Ceilings

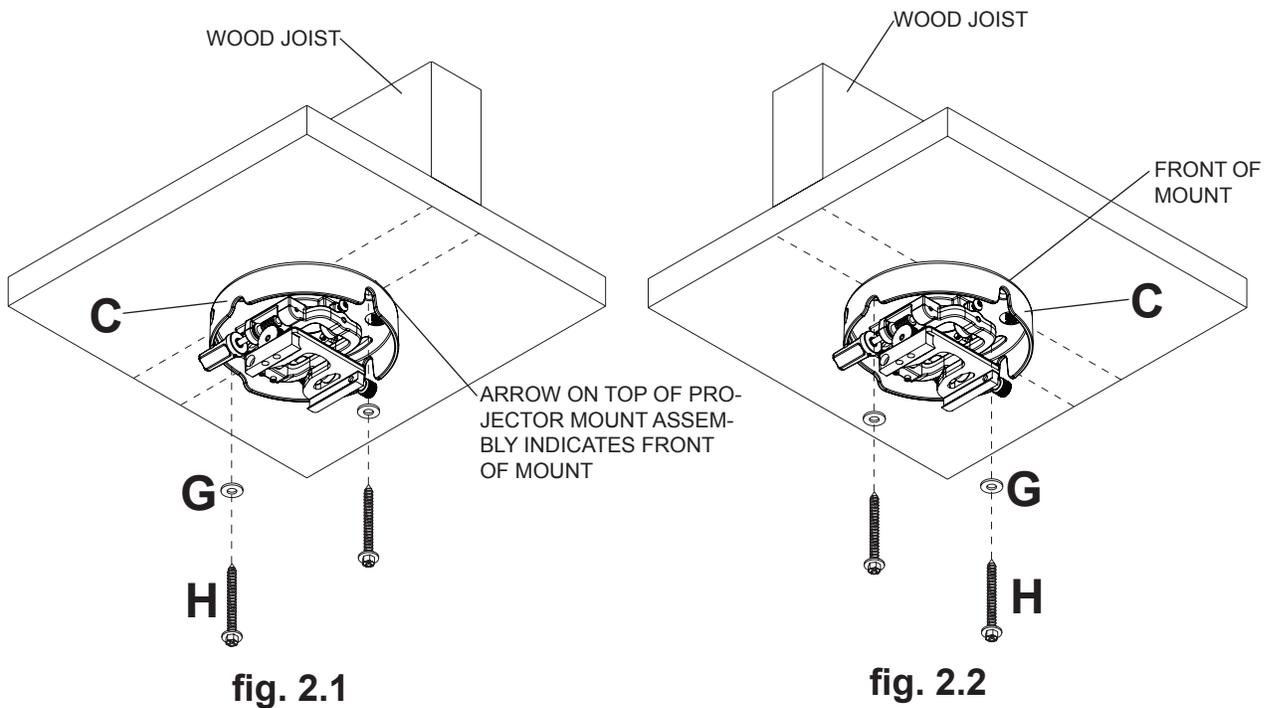
⚠ WARNING

- Installer must verify that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Tighten wood screws so that projector mount assembly is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the stud. The use of an “edge to edge” stud finder is highly recommended.
- Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations.

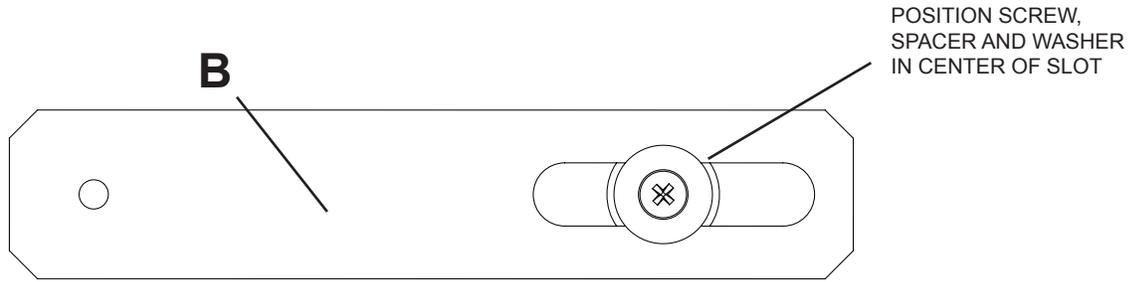
- 2** Place projector mount assembly (C) on ceiling as a template and mark the center of the two mounting holes. Make sure that the mounting holes are in the center of the wood joist. Drill two 5/32” (4 mm) dia. holes to a minimum depth of 2.5” (64 mm). Attach projector mount assembly (C) with two #14 x 2.5” (6 mm x 65 mm) wood screws (H) and two 1/4” flat washers (G) as shown in **figure 2.1** or **figure 2.2** depending on joist orientation.

Note: Mounting slots on projector mount assembly (C) allow for 30° (±15°) of swivel adjustment before fully securing wood screws.

Tighten wood screws (H) using 3/8” (10 mm) socket wrench, phillips screwdriver or 10 mm open end wrench until projector mount assembly (C) is firmly attached.



Note: When attaching extension brackets (B) be sure to keep fasteners in the center of the slot.



CORRECT

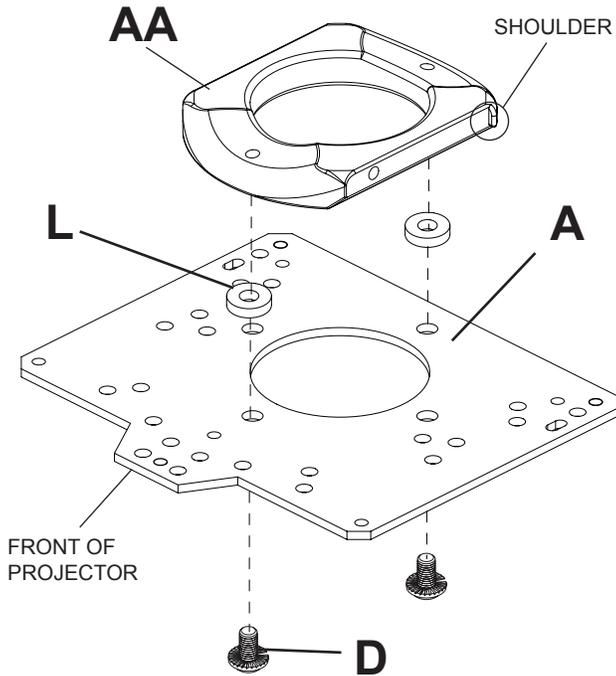


INCORRECT

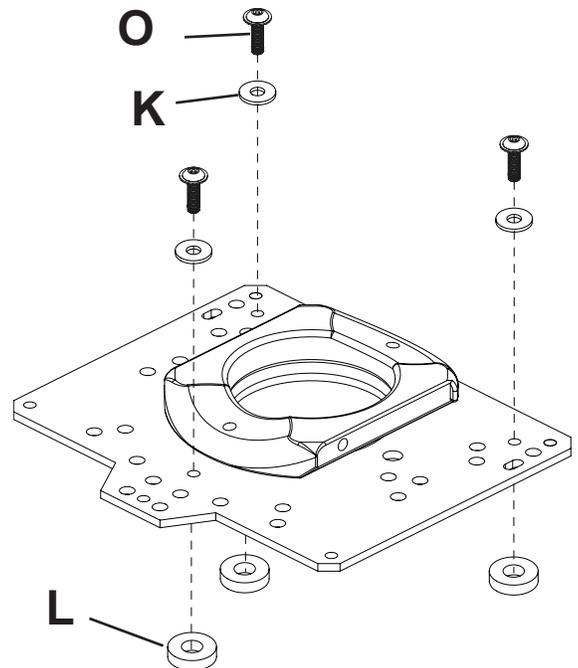
Note: Refer to to the Projector Mount Directory for projector mounting pattern and fasteners.

CONFIGURATION A

1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) (used in PRG) and .219 ID x .5 OD x .125 spacers (L).

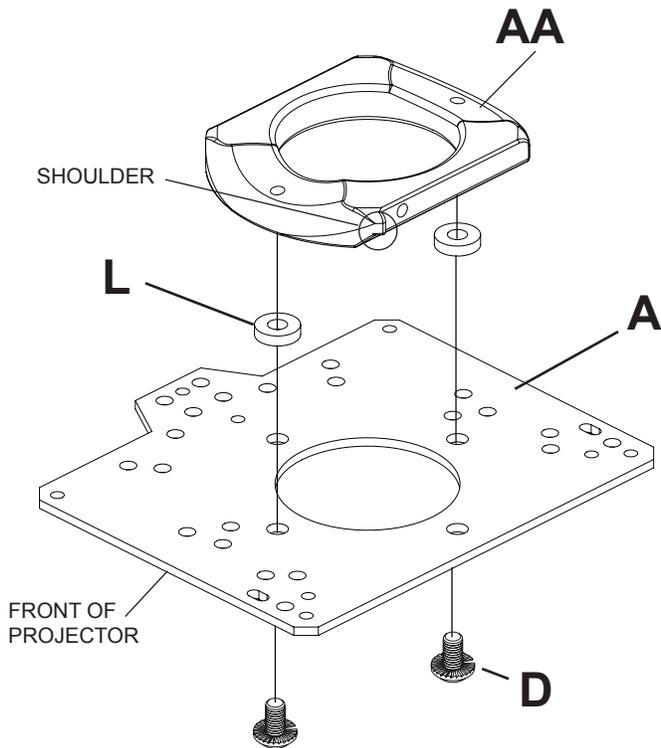


2 Attach plate (A) to projector using three M3 x 12 mm socket pin serrated washer head screws (O), #4 flat washers (K) and spacers (L).

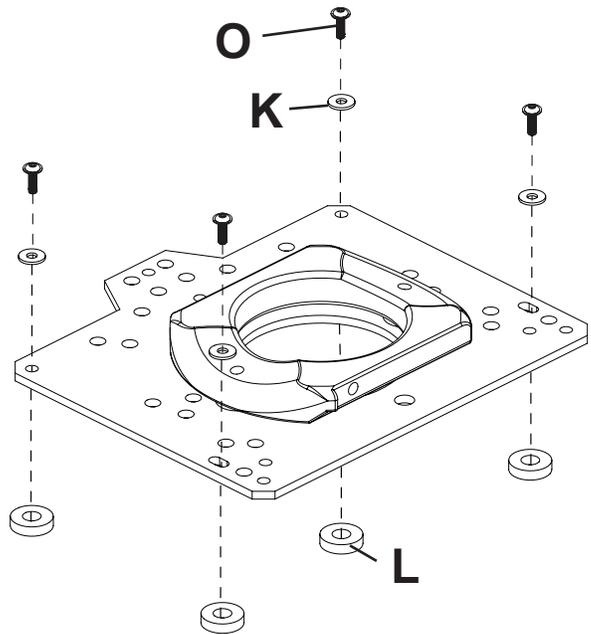


CONFIGURATION B

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

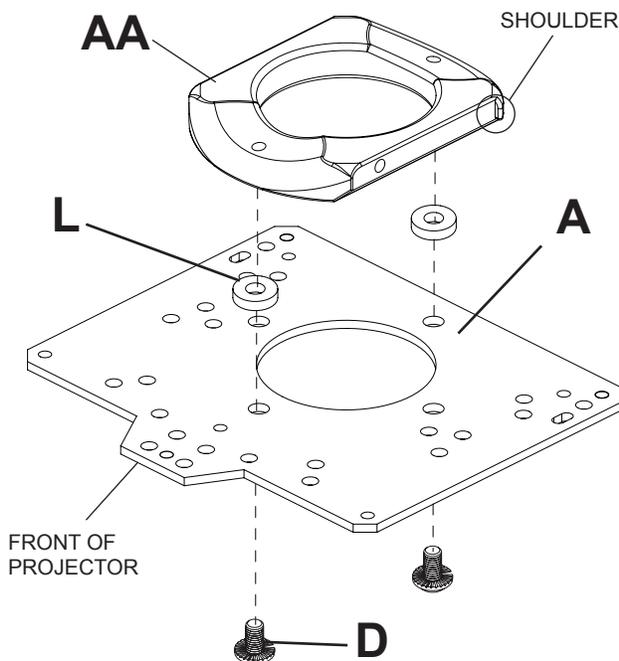


- 2 Attach plate (A) to projector using four M3 x 12 mm socket pin serrated washer head screws (O), #4 flat washers (K) and spacers (L).

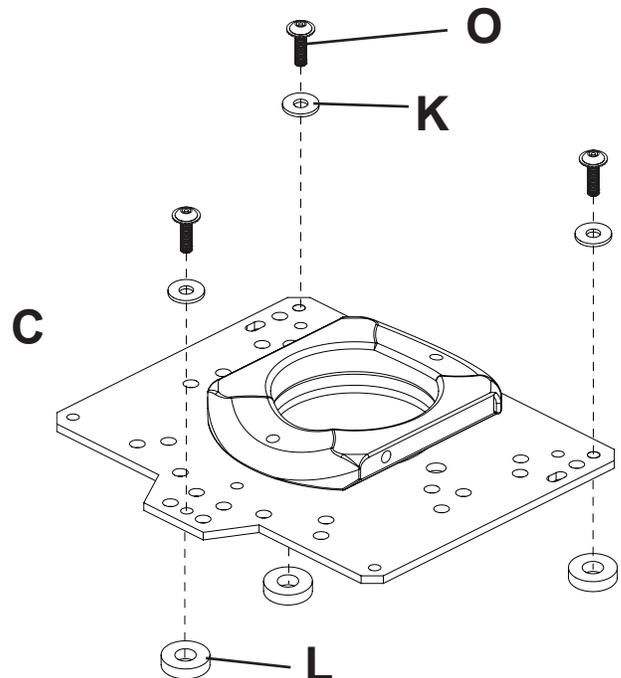


CONFIGURATION C

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

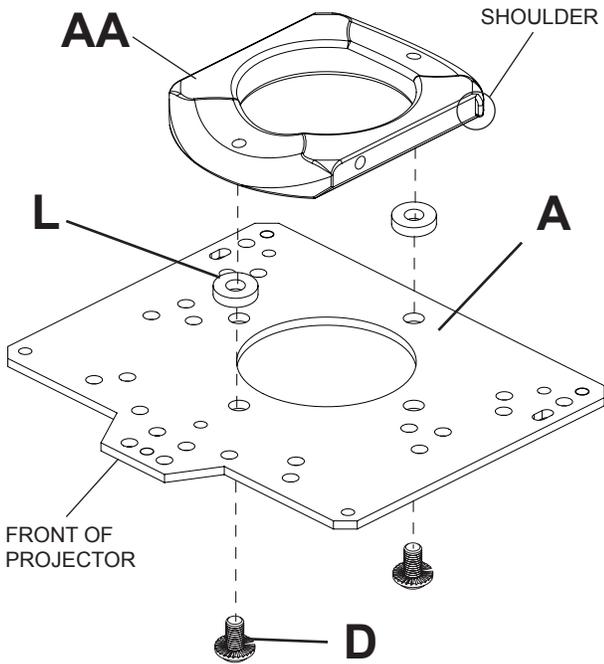


- 2 Attach plate (A) to projector using three M3 x 12 mm socket pin serrated washer head screws (O), #4 flat washers (K) and spacers (L).

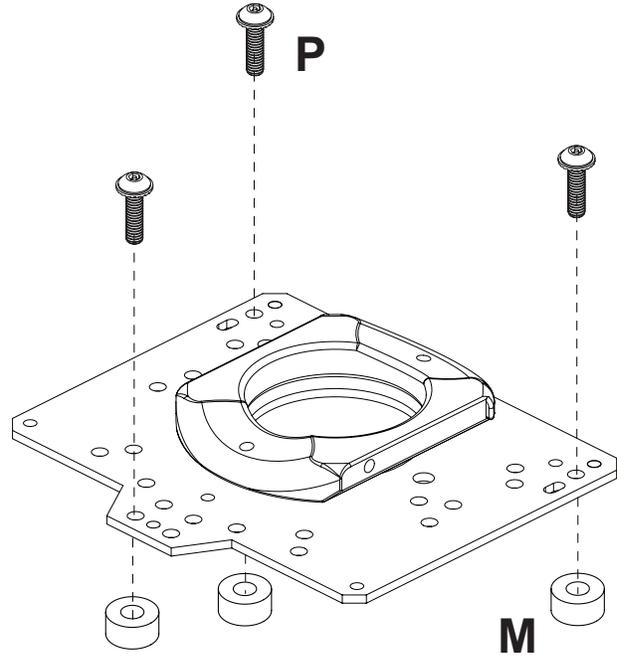


CONFIGURATION D

1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

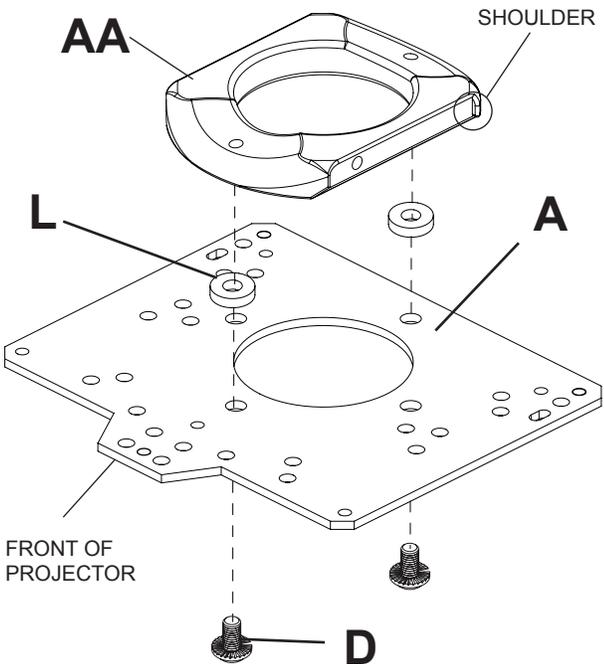


2 Attach plate (A) to projector using three M4 x 16 mm socket pin serrated washer head screws (P), and spacer (M).

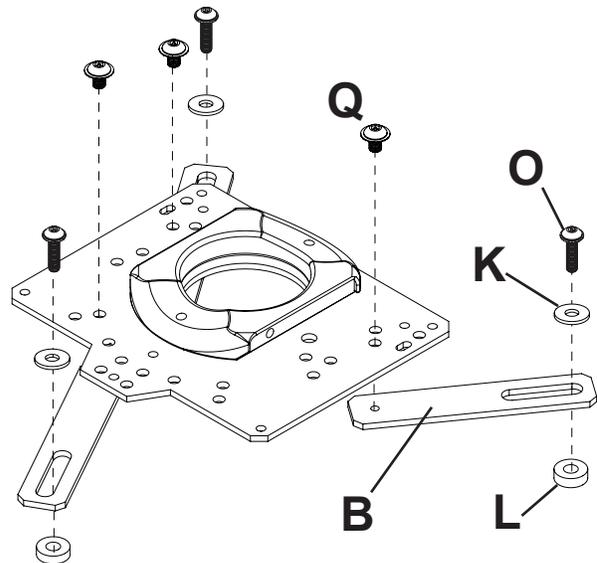


CONFIGURATION E

1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

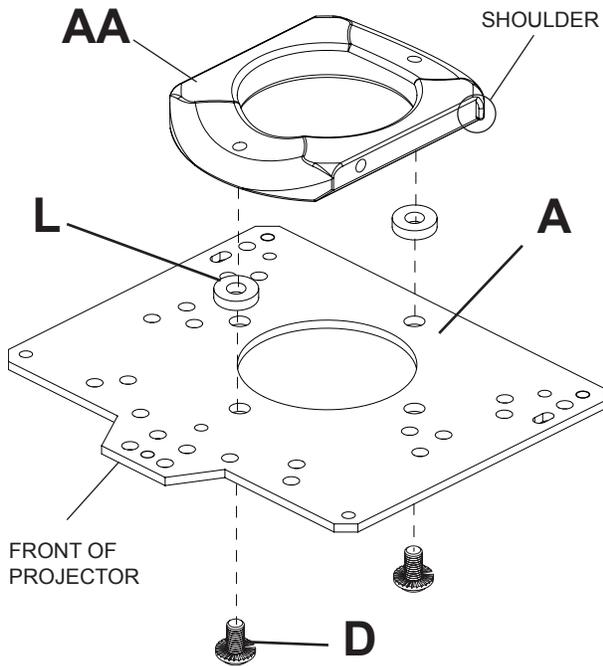


2 Attach three extension brackets (B) to plate (A) using three M4 x 8 mm serrated socket pin screws (Q). Attach extension brackets (B) to projector using three .125" spacers (L), #4 flat washers (K), and three M3 x 12 mm socket pin serrated washer head screws (O).

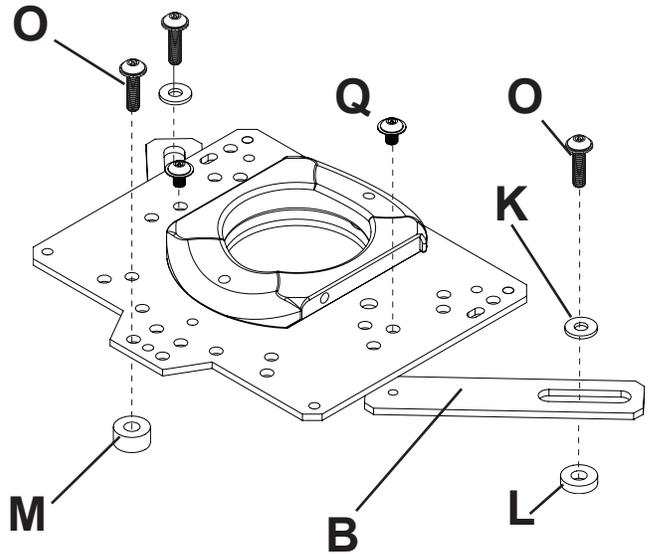


CONFIGURATION F

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

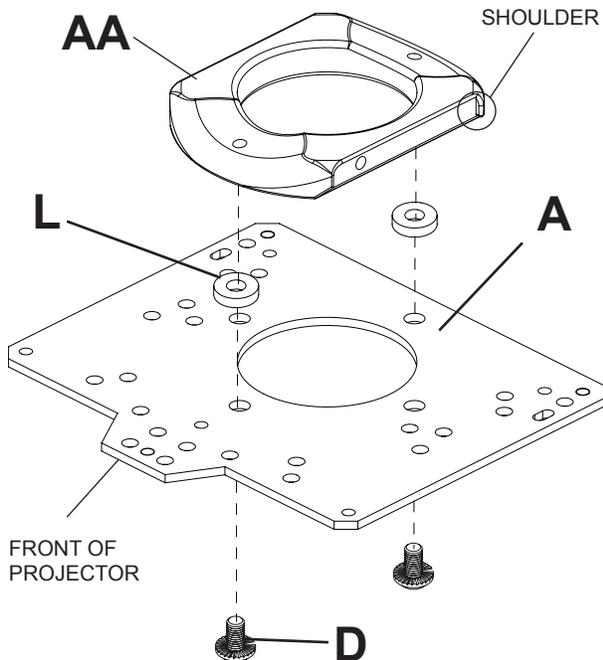


- 2 Attach two extension brackets (B) to plate (A) using two M4 x 8 mm serrated socket pin screws (Q). Attach plate (A) to projector using one .25" spacer (M), and one M3 x 12 mm screw (O). Attach extension brackets (B) to projector using two M3 x 12 mm screws (O), flat washers (K), and .125" spacers (L).

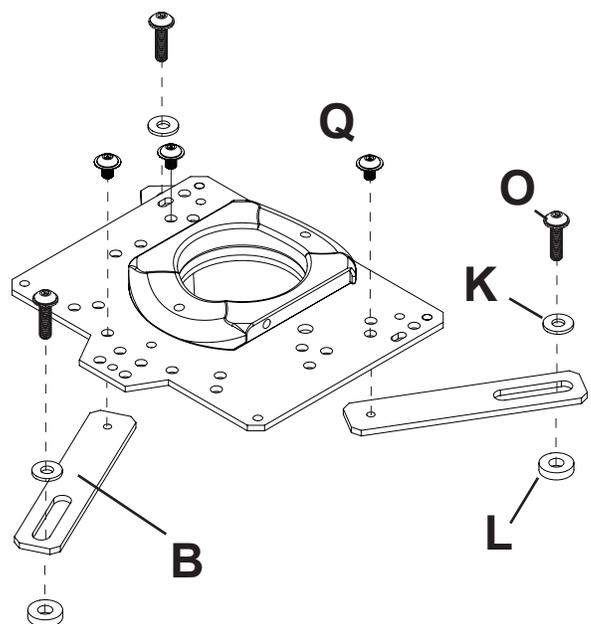


CONFIGURATION G

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

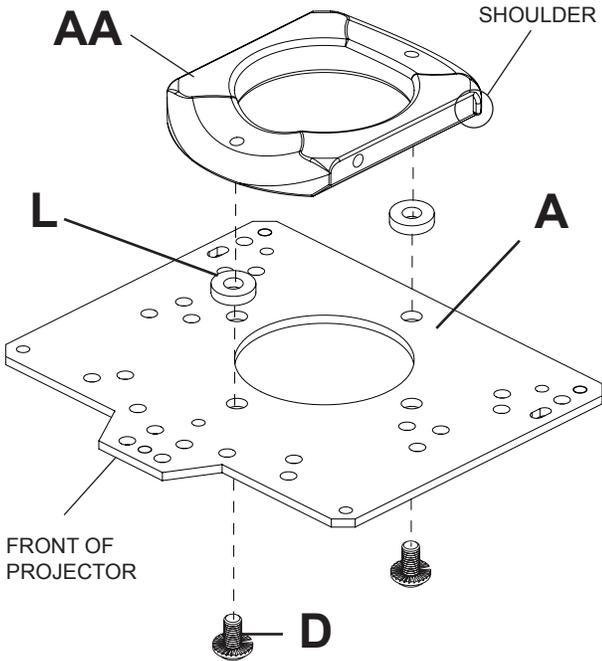


- 2 Attach three extension brackets (B) to plate (A) using three M4 x 8 mm serrated socket pin screws (Q). Attach extension brackets (B) to projector using three .125" spacers (L), #4 flat washers (K), and three M3 x 12 mm socket pin serrated washer head screws (O).

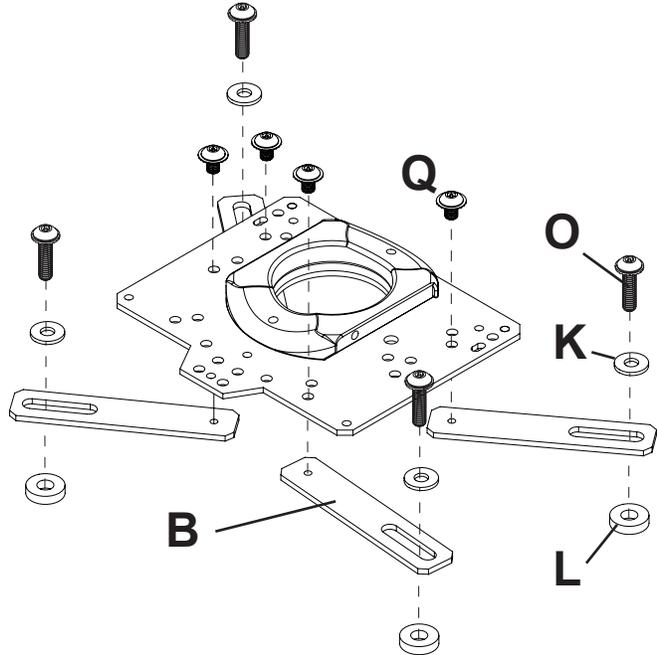


CONFIGURATION H

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

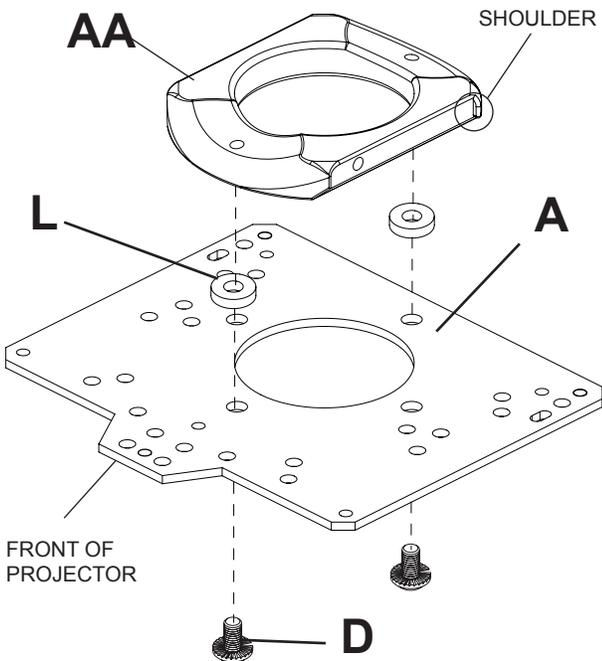


- 2 Attach four extension brackets (B) to plate (A) using four M4 x 8 mm serrated socket pin screws (Q). Attach extension brackets (B) to projector using four .125" spacers (L), #4 flat washers (K), and four M3 x 12 mm socket pin serrated washer head screws (O).

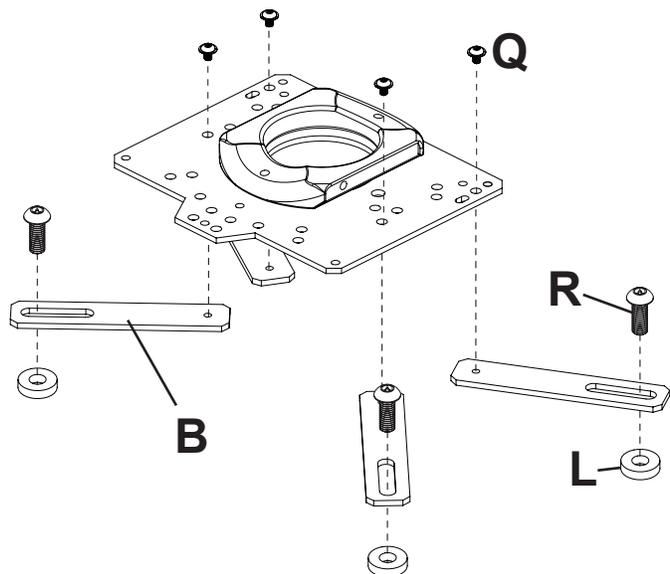


CONFIGURATION I

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).

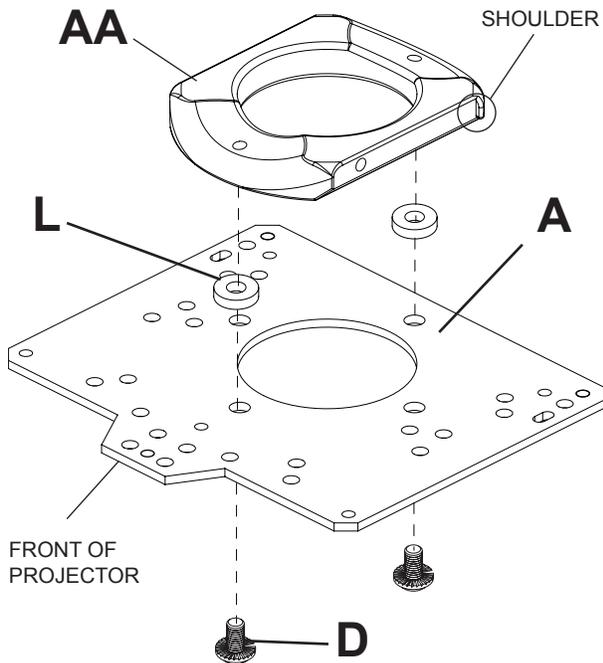


- 2 Attach four extension brackets (B) to plate (A) using four M4 x 8 mm serrated socket pin screws (Q). Attach extension brackets (B) to projector using four .125" spacers (L), and four M6 x 16 mm socket pin serrated washer head screws (R).

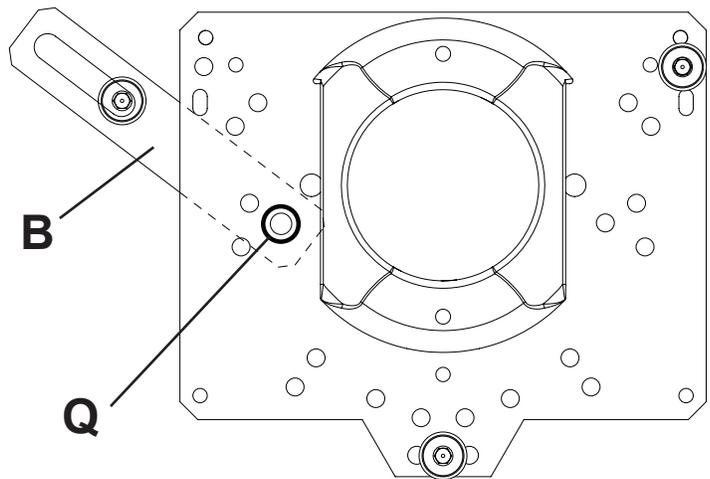
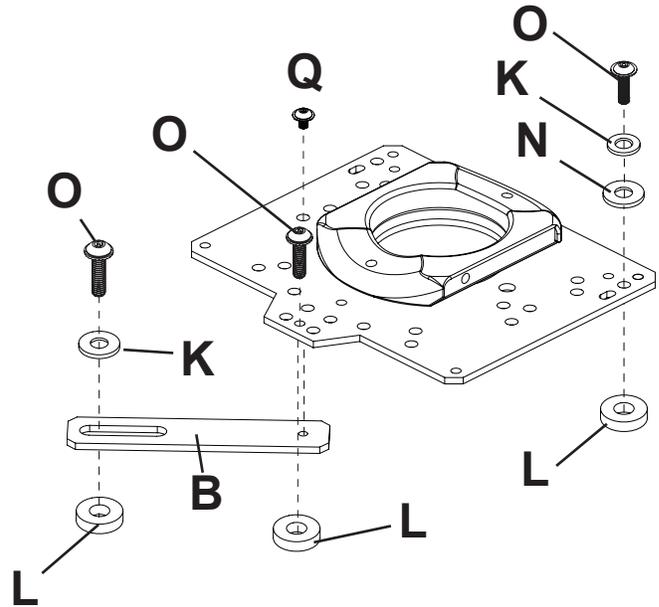


CONFIGURATION J

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).



- 2 Attach one extension bracket (B) to plate (A) using one M4 x 8 mm serrated socket pin screw (Q). Attach plate (A) to projector using two .125" spacers (L), one #4 flat washer (K), one #8 flat washer (N) and two M3 x 12 mm screws (O). Attach extension bracket (B) to projector using one M3 x 12 mm screw (O), flat washers (K), and .125" spacers (L).

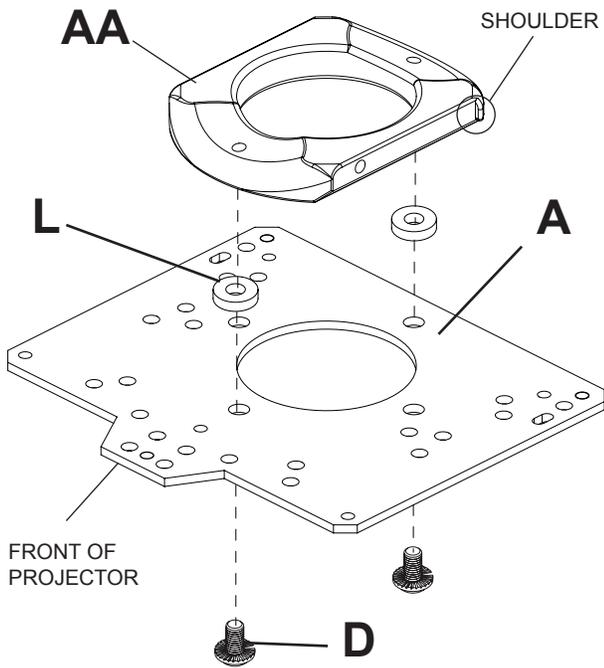


FRONT OF PROJECTOR

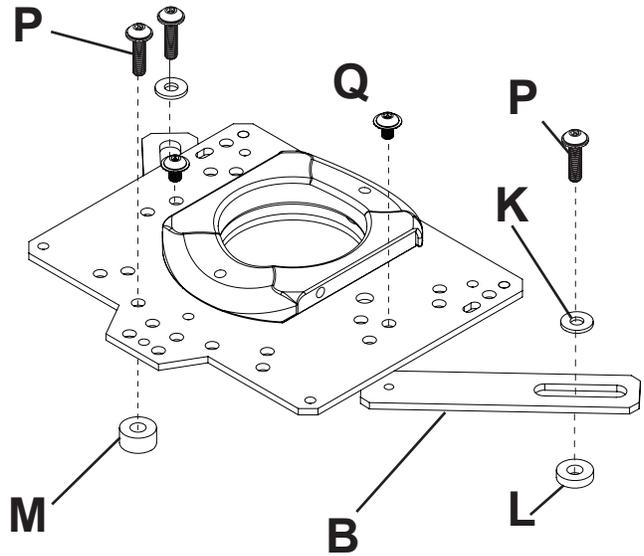
TOP VIEW

CONFIGURATION K

- 1 Attach connection block (AA) to plate (A) using two #10-32 x 3/8" serrated socket pin screws (D) and .219 ID x .5 OD x .125 spacers (L).



- 2 Attach two extension brackets (B) to plate (A) using two M4 x 8 mm serrated socket pin screws (Q). Attach plate (A) to projector using one .25" spacer (M), and one M4 x 16 mm screw (P). Attach extension brackets (B) to projector using two M4 x 16 mm screws (P), flat washers (K), and .125" spacers (L).

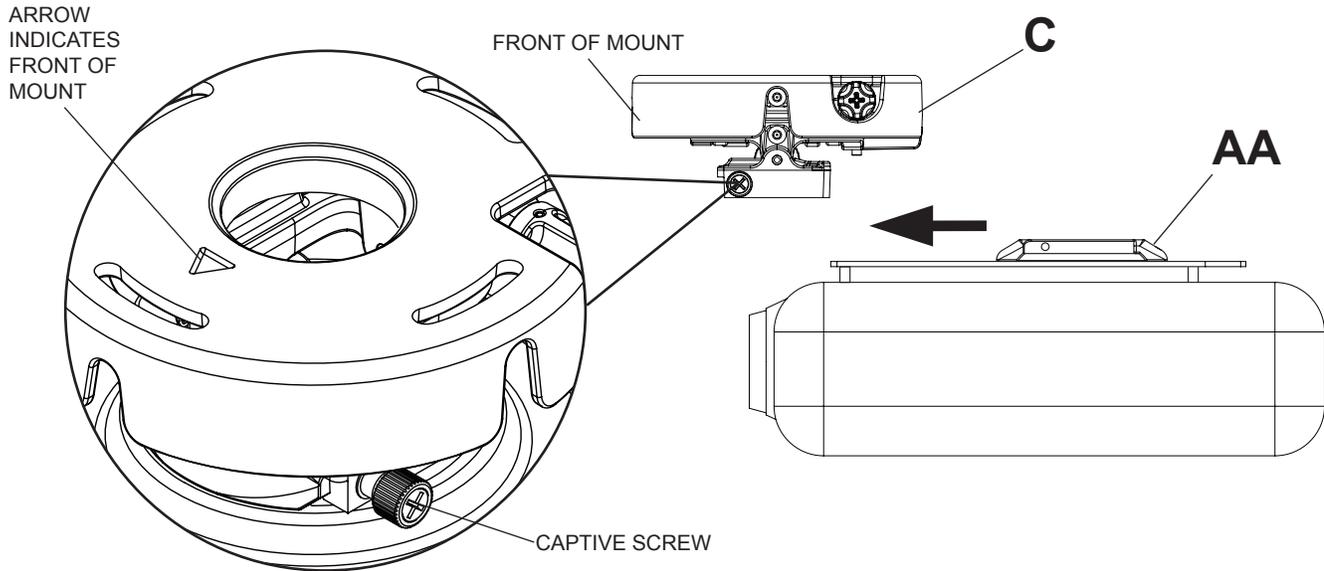


Attaching Adapter Plate to Projector Mount

⚠ WARNING

- Do not lift more weight than you can handle. Use additional man power or mechanical lifting equipment to safely handle placement of the screen.

- 3** Slide connection block (AA) with precision gear projector mount (C) as shown. Tighten captive screw to secure precision gear projector mount (C).



- 4 IMPORTANT:** For security installations, insert one #10-32 x 1/4" socket pin screw (E) through precision gear projector mount (C) and into connection block (AA) as shown. Tighten screw using 4mm security allen wrench (F).

